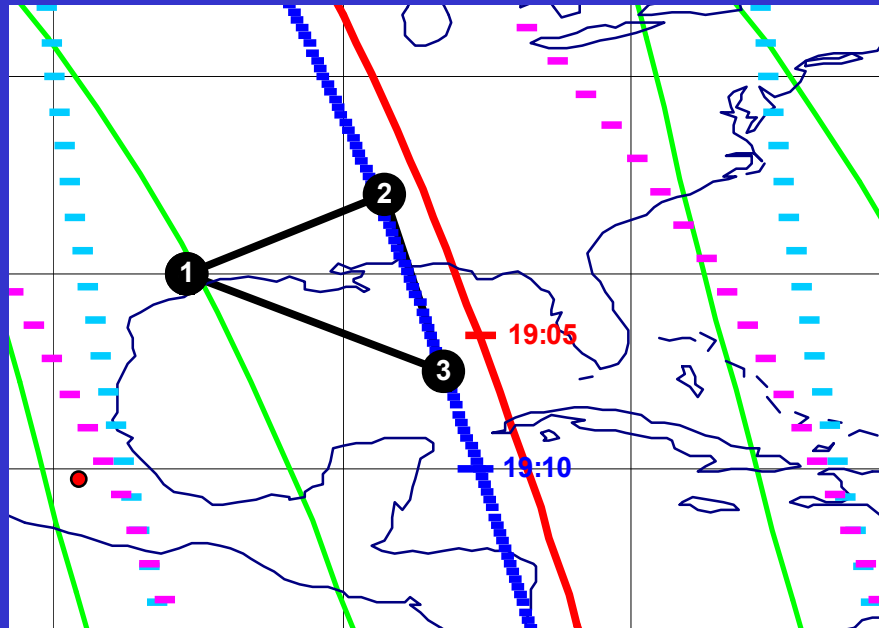


Plan for INTEx-B flight#3 – Houston local 1 on Saturday 3/4 updated 3/3 @18Z

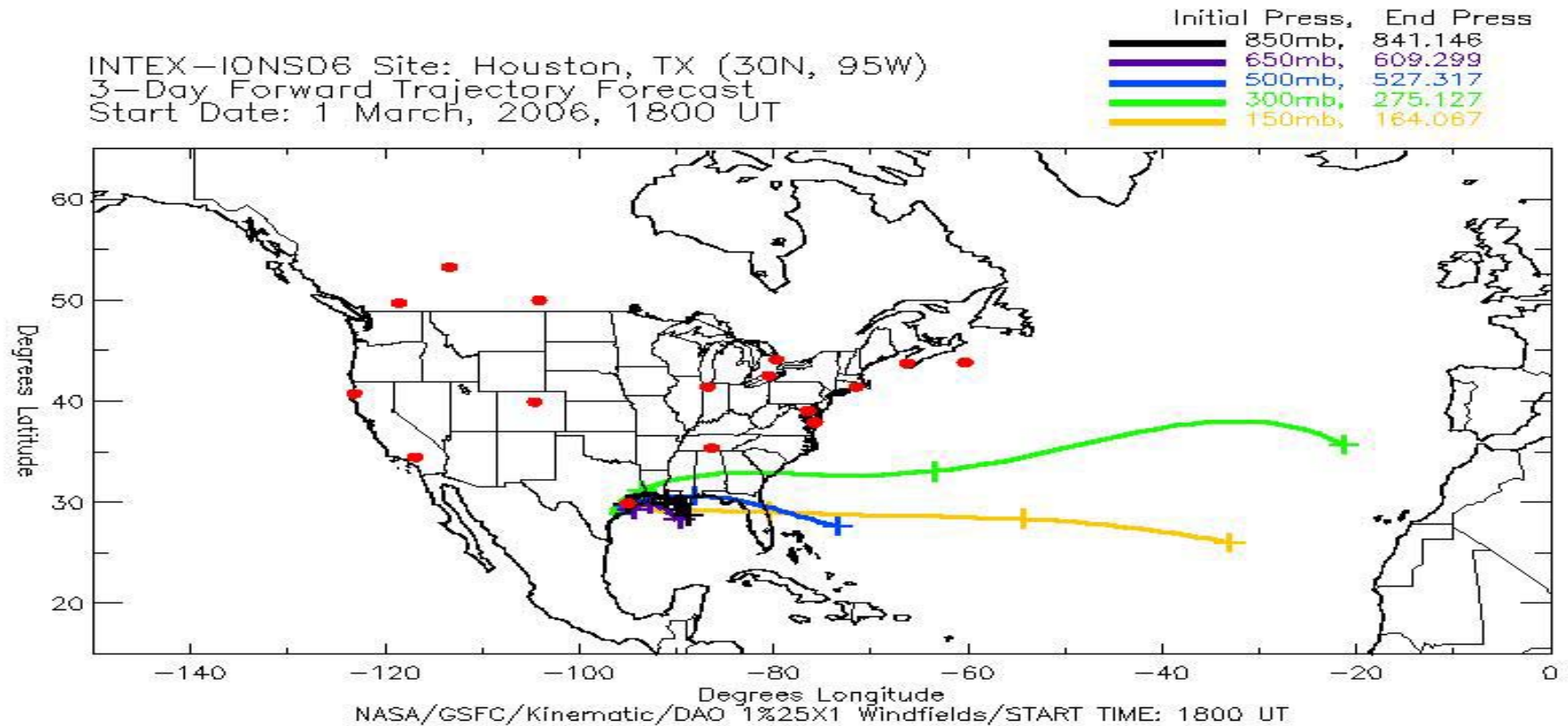
Objectives:

1. TES and OMI validation
2. Southeast U.S. outflow to Gulf of Mexico



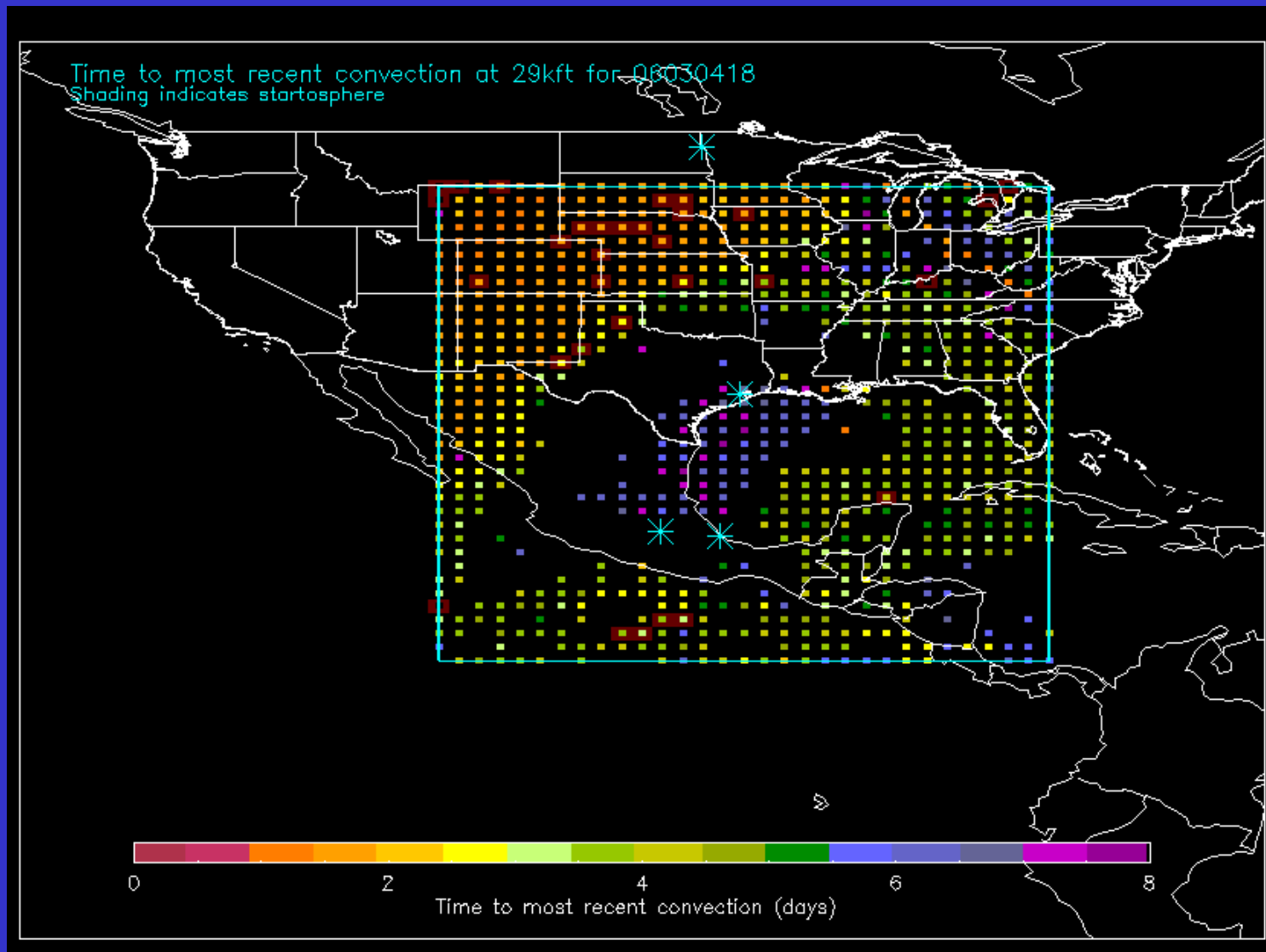
1. In-progress ascent to 37K (or higher) at point 2
2. Down spiral to 1K at point 2 (TES validation);
3. Low-altitude 1-10K porpoise legs between points 2 and 3 (OMI + TES validation – SE US outflow)
4. Up spiral from 1 to 39 K at point 3 (TES validation)

FORWARD TRAJECTORIES FROM HOUSTON IONS SITE



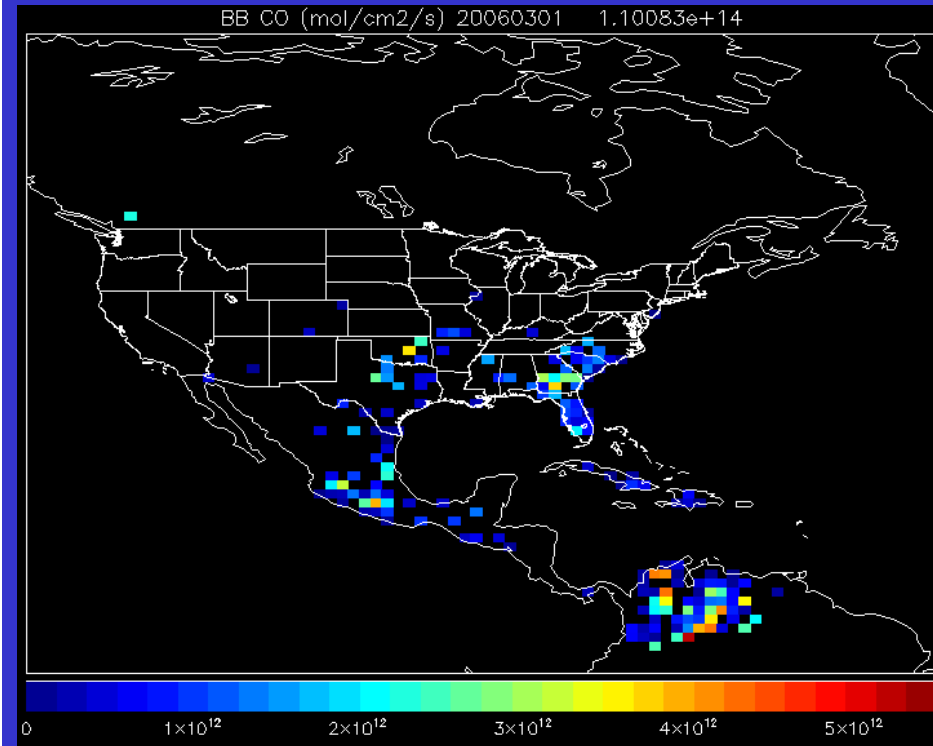
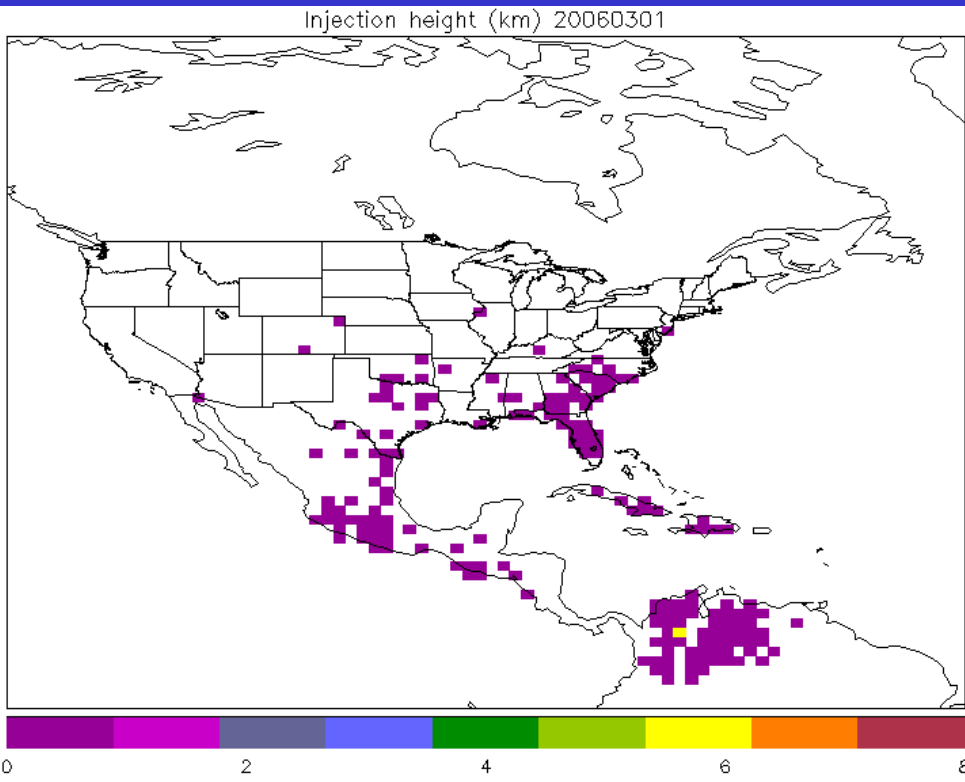
Low-level outflow to Gulf

CONVECTIVE INFLUENCE AT 29K ON 3/4



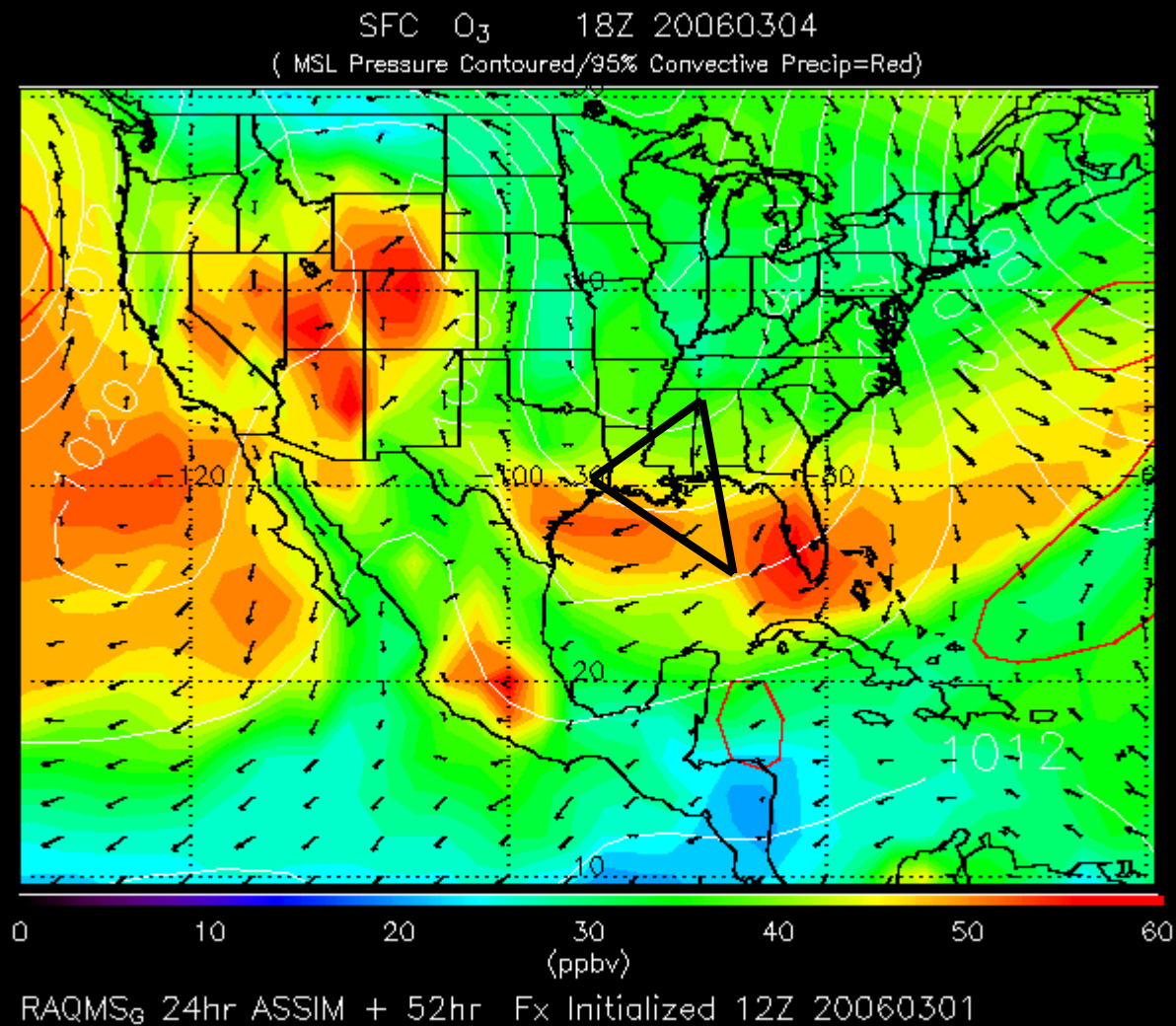
4-5 day influence at point 2 from convection over tropical Pacific; not found at 37K altitude

RAQMS NRT Wild Fire emissions for Today's Run: 12Z 03/01- 12Z 03/02



Weak fire influence in SE U.S. and Mexican Pacific coast

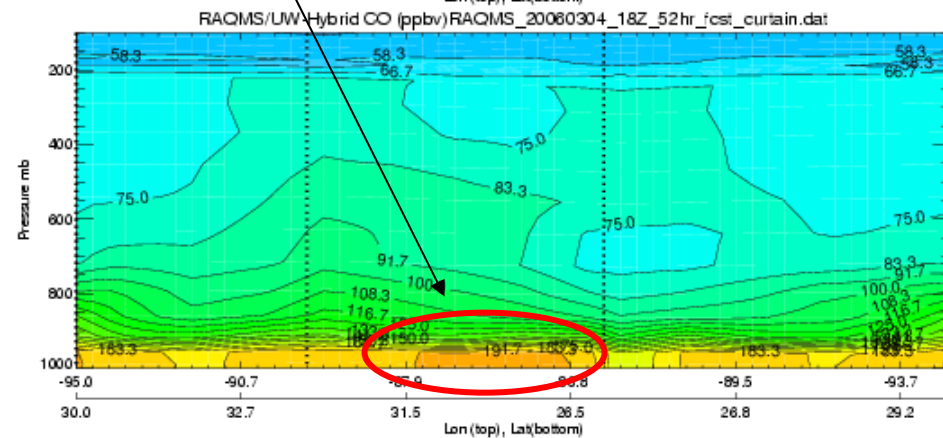
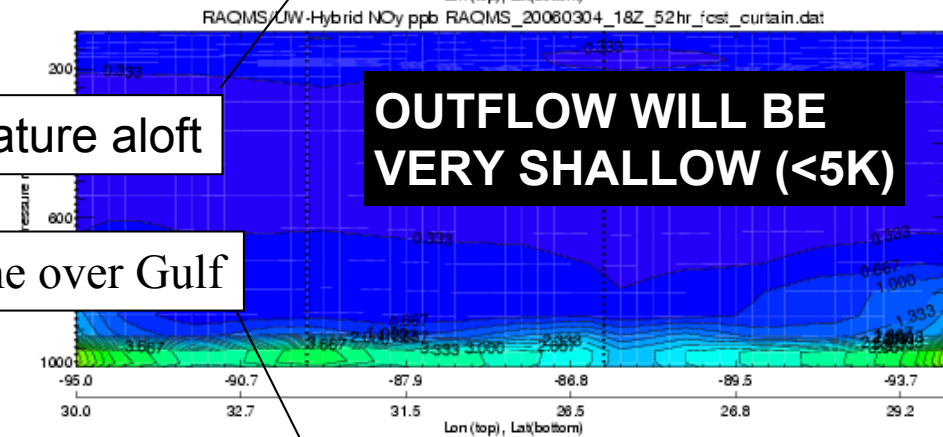
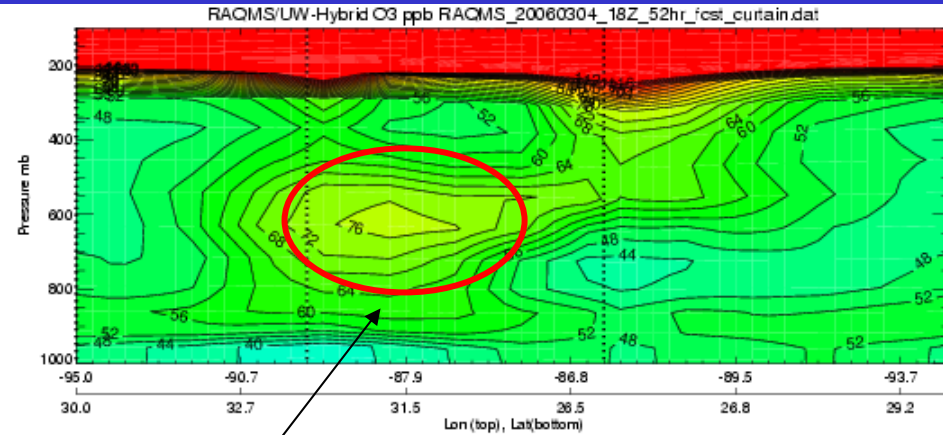
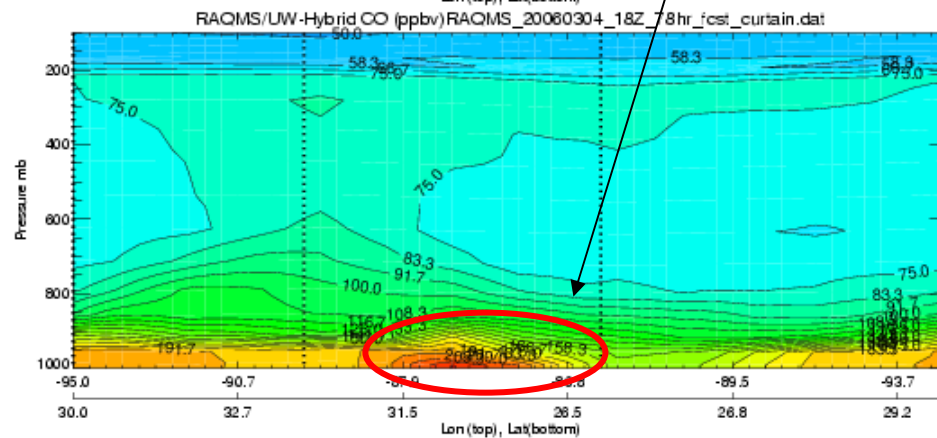
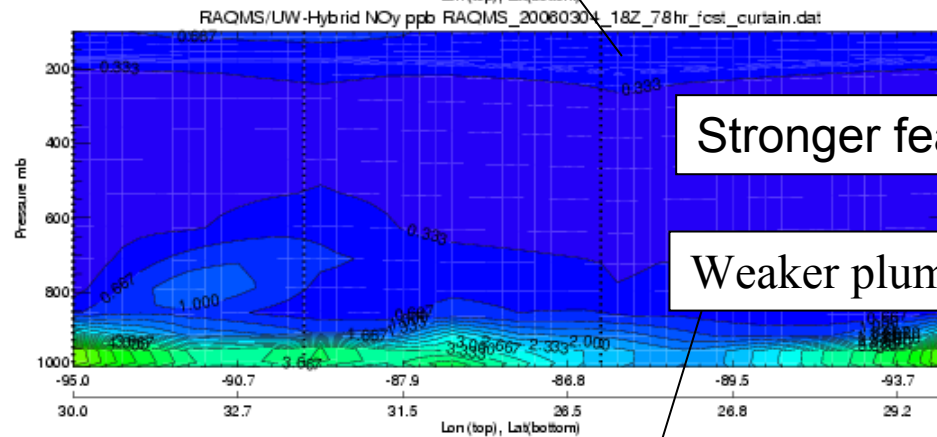
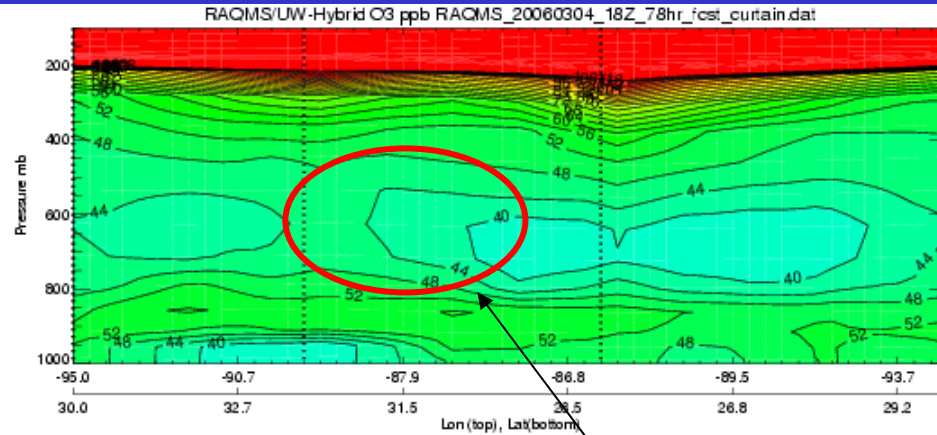
Today's SFC O₃ 52hr Fx Valid 18Z 03/04 (Saturday)



SE US outflow over Gulf; pushed a little more southward than previous forecast

78hr Flight Curtain

52hr Flight Curtain



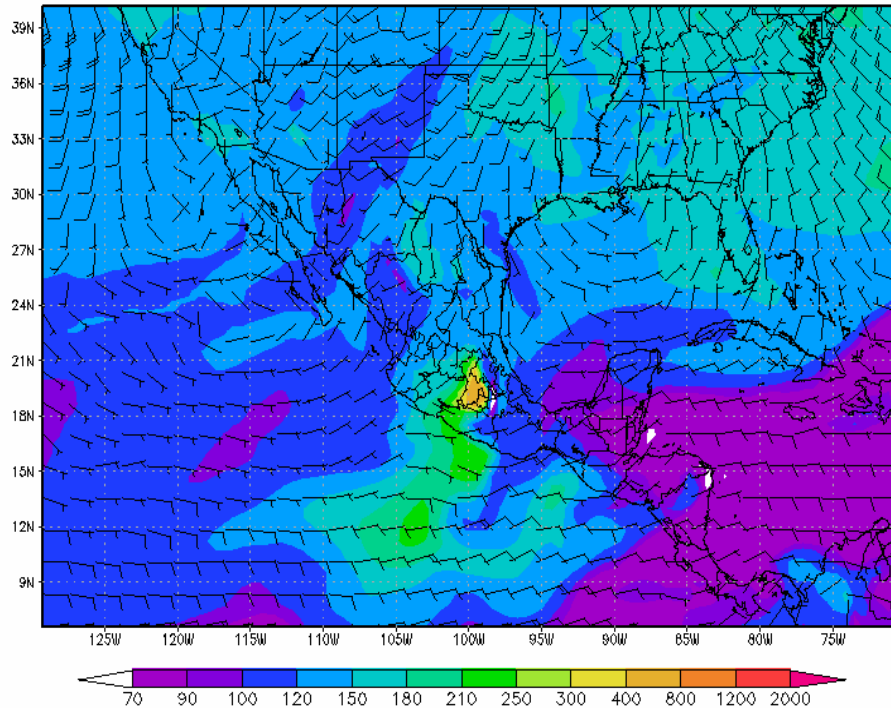
Little Change in Forecast for Saturday March 4

Yesterday's Forecast

(3/1 for 3/4)

Simulated CO (ppbv) in the 1km layer
at 18GMT, 03/4/2006

CGRER, University of Iowa

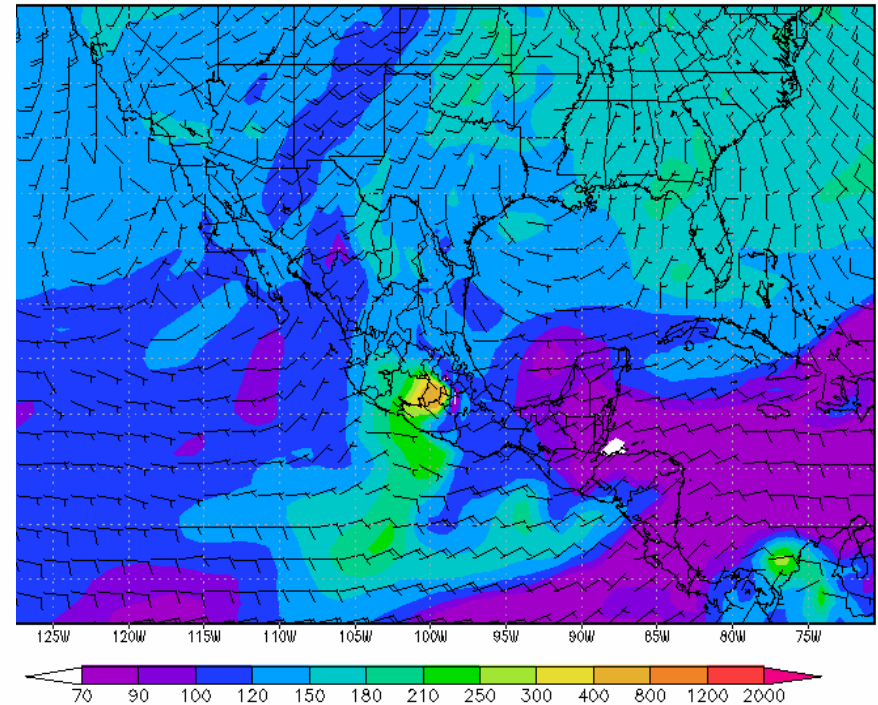


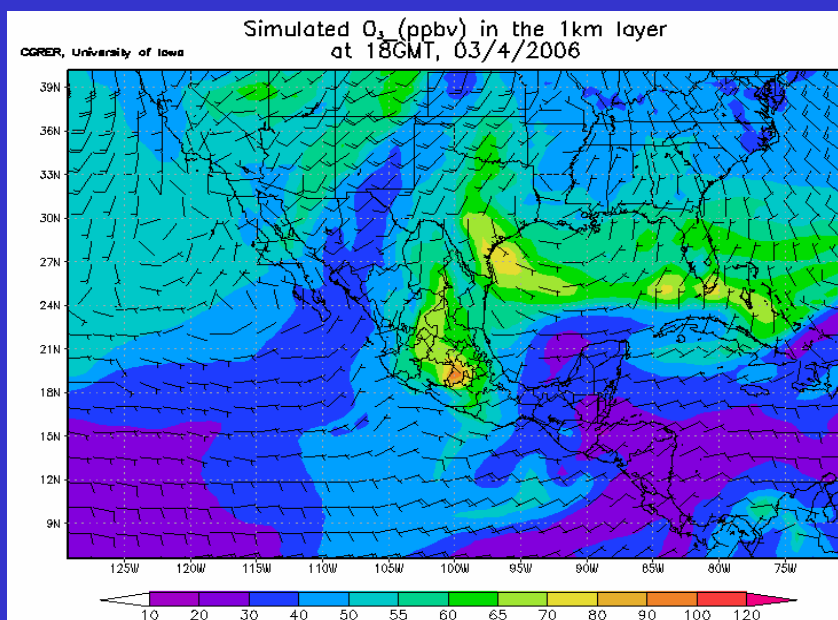
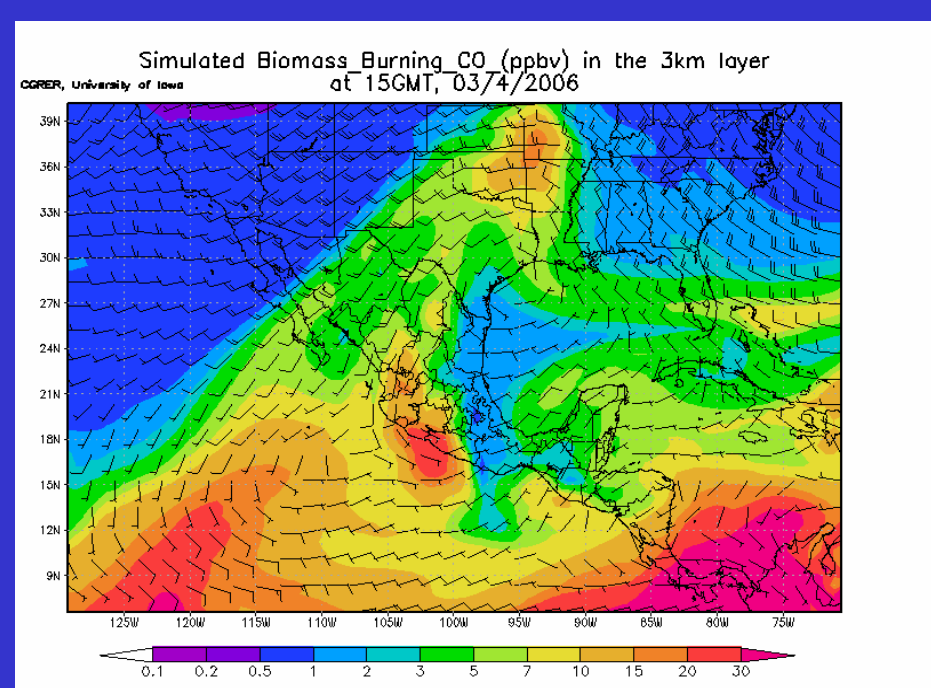
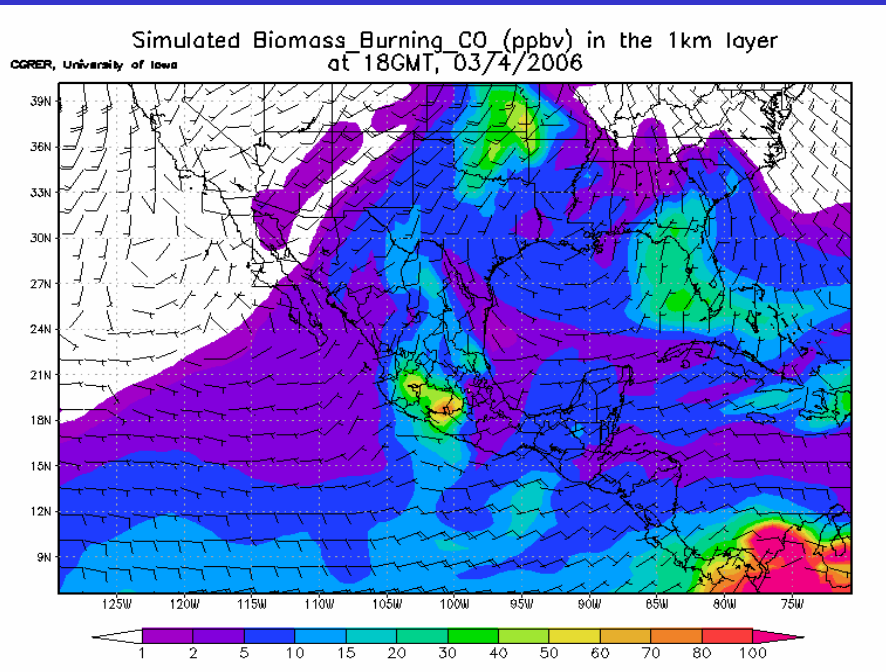
Today's Forecast

(3/2 for 3/4)

Simulated CO (ppbv) in the 1km layer
at 18GMT, 03/4/2006

iversity of Iowa





**Forecasted Regions
with Possible
Biomass Burning
Influence....**